

CLAIMS

1. An RNA molecule that forms a complex capable of cell infection, autonomous RNA replication, and contact infiltration, but incapable of dissemination, wherein said RNA comprises genes involved in contact infiltration and autonomous RNA replication, but no or inactivated genes involved in dissemination.
2. The RNA molecule according to claim 1, wherein genes encoding a protein that interacts with the envelope and the virus core is deleted or inactivated.
3. The RNA molecule according to claim 2, wherein said protein that interacts with the envelope and the virus core is Matrix protein (M protein).
4. The RNA molecule according to claim 1, wherein said RNA molecule is derived from a non-segmented (-)RNA virus.
5. The RNA molecule according to claim 1, wherein said RNA molecule is derived from Sendai virus and comprises no or inactivated gene encoding M protein.
6. The RNA molecule according to any one of claims 1 to 5, wherein said RNA molecule comprises a foreign gene.
7. A cell comprising the RNA according to any one of claims 1 to 6, wherein the cell is capable of allowing said RNA to replicate and transmitting said RNA to another cell through contact infiltration.
8. A DNA molecule comprising a template DNA for transcribing the RNA according to any one of claims 1 to 6 *in vitro* or in cells.
9. A complex capable of cell infection, autonomous RNA replication, and contact infiltration, but incapable of dissemination, wherein said complex comprises the RNA molecule of any one of claims 1 to 6 and a virus structure without nucleic acid.

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Sub 1

Sub 2

10. A kit comprising a) the RNA according to any of claims 1 to 6, a cRNA of said RNA, or a unit that is capable of biosynthesizing said RNA or said cRNA, and b) a group of enzymes required for replication of said RNA or said cRNA, or a unit that is capable of biosynthesizing said enzymes.

11. The kit according to claim 10, wherein a) is the RNA according to claim 5 or 6, a cRNA of said RNA, or a unit that is capable of biosynthesizing said RNA or said cRNA, and b) is all of the proteins, NP, P/C, and L of Sendai virus, or a unit that is capable of biosynthesizing said proteins.

12. A method for producing the complex according to claim 9, wherein said method comprises introducing into a host a) the RNA of any one of claims 1 to 6, a cRNA of said RNA, or a unit that is capable of biosynthesizing said RNA or said cRNA, and b) a group of enzymes required for replication of said RNA or said cRNA, or a unit that is capable of biosynthesizing said enzymes.

13. The method according to claim 12, wherein a) is the RNA of claim 5 or 6, a cRNA of said RNA, or a unit that is capable of biosynthesizing said RNA or said cRNA, and b) is all of the proteins, NP, P/C, and L of Sendai virus, or a unit that is capable of biosynthesizing said proteins.

14. A method for expressing a foreign gene, wherein said method comprises inoculating the cell of claim 7 into a nonhuman mammal and allowing a cell contacted with said cell to express a foreign gene.

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